

In the Specification:

Please amend the specification as follows:

On page 3, please amend the paragraph beginning on line 11 as follows:

Figure 1 attached herewith shows a schematic diagram of the riser reactor, including a prelift zone 2, a first reaction zone 5, a second reaction zone 7, an outlet zone 9, a horizontal tube 10, and conduits 1, 3, 4, 6 and 8.

On page 3, please amend the paragraph beginning on line 19 as follows:

The total height of the ~~prelif~~ prelift zone, a first reaction zone, a second reaction zone with enlarged diameter, an outlet zone with reduced diameter along coaxial direction from bottom to top of the riser reactor, and a horizontal tube connected to the end of the outlet zones links a disengager.

On page 4, please amend the paragraph beginning on line 6 as follows:

The conjunct (or junction) section between the first reaction zone and ~~th~~ the second reaction zone is a circuit truncated cone whose vertical section isotrapezia vertex angle α is generally about $30^\circ \sim 80^\circ$.

On page 4, please amend the paragraph beginning on line 9 as follows:

The diameter of the second reaction zone is greater ~~that~~ than that of the first reaction zone. The diameter ratio of the former to the latter is generally from about 1.5:1 to about 5:1. The height of the second reaction zone is about 30~60% of the height of the riser reactor.

On page 4, please amend the paragraph beginning on line 13 as follows:

The conjunct (or junction) section between the second reaction zone and the ~~first reaction~~ zone is a ~~circular truncated cone~~ outlet zone whose vertical section is trapezia base angle β is generally about $45^\circ \sim 85^\circ$.